Please provide the following information, and submit to the NOAA DM Plan Repository.

Reference to Master DM Plan (if applicable)

As stated in Section IV, Requirement 1.3, DM Plans may be hierarchical. If this DM Plan inherits provisions from a higher-level DM Plan already submitted to the Repository, then this more-specific Plan only needs to provide information that differs from what was provided in the Master DM Plan.

URL of higher-level DM Plan (if any) as submitted to DM Plan Repository:

1. General Description of Data to be Managed

1.1. Name of the Data, data collection Project, or data-producing Program:
AFSC/RACE/EcoFOCI - Physical oceanographic data collected in support of EcoFOCI assessment surveys and ecosystem observations in the Bering, Beaufort, and Chukchi Seas and the Gulf of Alaska - 1995 to Present

1.2. Summary description of the data:
Pressure, temperature and salinity data. Data are available in 1 meter intervals in conjunction with the MARMAP 20/60 bongo array, CalVET, and Tucker trawl. Maximum depth of data will vary depending on survey design, but most will be 10 meters off bottom.

1.3. Is this a one-time data collection, or an ongoing series of measurements?
Ongoing series of measurements

1.4. Actual or planned temporal coverage of the data:
1995-03-01 to Present

1.5. Actual or planned geographic coverage of the data:
W: 170, E: -130, N: 76, S: 50

1.6. Type(s) of data:
(e.g., digital numeric data, imagery, photographs, video, audio, database, tabular data, etc.)

1.7. Data collection method(s):
(e.g., satellite, airplane, unmanned aerial system, radar, weather station, moored buoy, research vessel, autonomous underwater vehicle, animal tagging, manual surveys, enforcement activities, numerical model, etc.)
Instrument: SeaBird Seacat or Fastcat
Platform: N/A
Physical Collection / Fishing Gear: Bongo, CalVET, multinet

1.8. If data are from a NOAA Observing System of Record, indicate name of system:

1.8.1. If data are from another observing system, please specify:

2. Point of Contact for this Data Management Plan (author or maintainer)

2.1. Name:
Tiffany C Vance

2.2. Title:
Metadata Contact

2.3. Affiliation or facility:
Alaska Fisheries Science Center

2.4. E-mail address:
tiffany.c.vance@noaa.gov

2.5. Phone number:

3. Responsible Party for Data Management
Program Managers, or their designee, shall be responsible for assuring the proper management of the data produced by their Program. Please indicate the responsible party below.

3.1. Name:
Tiffany C Vance

3.2. Title:
Data Steward

4. Resources
Programs must identify resources within their own budget for managing the data they produce.

4.1. Have resources for management of these data been identified?
No

4.2. Approximate percentage of the budget for these data devoted to data management (specify percentage or "unknown"):
Unknown

5. Data Lineage and Quality
NOAA has issued Information Quality Guidelines for ensuring and maximizing the quality, objectivity, utility, and integrity of information which it disseminates.

5.1. Processing workflow of the data from collection or acquisition to making it publicly accessible
(describe or provide URL of description):
Lineage Statement:
Supplemental Information – Methods - Descriptive Information about the methods used.

Most of these data were collected using SeaBird SeaCAT or FastCAT CTD sensors mounted above bongo plankton nets. The nets were deployed to 100 meters or 10 meters off the bottom when water depth was shallower. The raw data are processed using the SeaBird SBE Data Processing software. The raw data are low pass filtered, aligned to pressure, flagged for wildly incorrect values, averaged to 1 meter bins, and split into up and down casts. Header information about the location and data/time of the cast are added manually. Supplemental Information – Instruments - Descriptive Information about the instruments and equipment used. The instruments used have changed over the datasets. The early data were collected using an SBE 19 SeaCAT profiler. http://www.seabird.com/sbe19-seacat-CTD Starting in the early 2000s , an SBE 19 plus Profiler was used. http://www.seabird.com/sbe19plus-seacat-CTD In the late 2000s, the SBE 19 plus V2 Profiler was used. http://www.seabird.com/sbe19plusv2-seacat-CTD In the 2010s, either a SeaCAT 19 plus V2 or a FastCAT sensor is in use with more and more of the data being collected with the FastCAT as time goes on. http://www.seabird.com/sbe49-fastcat-ctd

5.1.1. If data at different stages of the workflow, or products derived from these data, are subject to a separate data management plan, provide reference to other plan:

5.2. Quality control procedures employed (describe or provide URL of description):

Supplemental Information – Methods - Descriptive Information about the methods used.

Most of these data were collected using SeaBird SeaCAT or FastCAT CTD sensors mounted above bongo plankton nets. The nets were deployed to 100 meters or 10 meters off the bottom when water depth was shallower.

The raw data are processed using the SeaBird SBE Data Processing software.

The raw data are low pass filtered, aligned to pressure, flagged for wildly incorrect values, averaged to 1 meter bins, and split into up and down casts. Header information about the location and data/time of the cast are added manually.

Supplemental Information – Instruments - Descriptive Information about the instruments and equipment used.

The instruments used have changed over the datasets.

The early data were collected using an SBE 19 SeaCAT profiler. http://www.seabird.com/sbe19-seacat-CTD

Starting in the early 2000s , an SBE 19 plus Profiler was used.

http://www.seabird.com/sbe19plus-seacat-CTD

In the late 2000s, the SBE 19 plus V2 Profiler was used.

http://www.seabird.com/sbe19plusv2-seacat-CTD

In the 2010s, either a SeaCAT 19 plus V2 or a FastCAT sensor is in use with more and more of the data being collected with the FastCAT as time goes on.

http://www.seabird.com/sbe49-fastcat-ctd

6. Data Documentation

The EDMC Data Documentation Procedural Directive requires that NOAA data be well documented, specifies the use of ISO 19115 and related standards for documentation of new data, and provides links to resources and tools for metadata creation and validation.

6.1. Does metadata comply with EDMC Data Documentation directive?

No

6.1.1. If metadata are non-existent or non-compliant, please explain:

Missing/invalid information:
- 1.6. Type(s) of data

6.2. Name of organization or facility providing metadata hosting:

NMFS Office of Science and Technology

6.2.1. If service is needed for metadata hosting, please indicate:

6.3. URL of metadata folder or data catalog, if known:

https://inport.nmfs.noaa.gov/inport/item/26275

6.4. Process for producing and maintaining metadata

(describe or provide URL of description):

Metadata produced and maintained in accordance with the NMFS Data Documentation Procedural Directive: https://inport.nmfs.noaa.gov/inport/downloads/data-documentation-procedural-directive.pdf

7. Data Access

NAO 212-15 states that access to environmental data may only be restricted when distribution is explicitly limited by law, regulation, policy (such as those applicable to personally identifiable information or protected critical infrastructure information or proprietary trade information) or by security requirements. The EDMC Data Access Procedural Directive contains specific guidance, recommends the use of open-standard, interoperable, non-proprietary web services, provides information about resources and tools to enable data access, and includes a Waiver to be submitted to justify any approach other than full, unrestricted public access.

7.1. Do these data comply with the Data Access directive?

No

7.1.1. If the data are not to be made available to the public at all, or with limitations, has a Waiver (Appendix A of Data Access directive) been filed?

No

7.1.2. If there are limitations to public data access, describe how data are protected

from unauthorized access or disclosure:

User must read and fully comprehend the metadata prior to use. Applications or inferences derived from the data should be carefully considered for accuracy. Data will reside at the Alaska Fisheries Science Center.

7.2. Name of organization of facility providing data access:

Alaska Fisheries Science Center

7.2.1. If data hosting service is needed, please indicate:

7.2.2. URL of data access service, if known:

http://ecodaat.afsc.noaa.gov

7.3. Data access methods or services offered:

Contact point of contact for latest procedure.

7.4. Approximate delay between data collection and dissemination:

Varies

7.4.1. If delay is longer than latency of automated processing, indicate under what authority data access is delayed:

Data not automatically processed

8. Data Preservation and Protection

The NOAA Procedure for Scientific Records Appraisal and Archive Approval describes how to identify, appraise and decide what scientific records are to be preserved in a NOAA archive.

8.1. Actual or planned long-term data archive location:

(Specify NCEI-MD, NCEI-CO, NCEI-NC, NCEI-MS, World Data Center (WDC) facility, Other, To Be Determined, Unable to Archive, or No Archiving Intended)

Other

8.1.1. If World Data Center or Other, specify:

AOOS/Axiom and locally at AFSC

8.1.2. If To Be Determined, Unable to Archive or No Archiving Intended, explain:

8.2. Data storage facility prior to being sent to an archive facility (if any):

Alaska Fisheries Science Center - Seattle, WA

8.3. Approximate delay between data collection and submission to an archive facility:

TBD

8.4. How will the data be protected from accidental or malicious modification or deletion prior to receipt by the archive?

Discuss data back-up, disaster recovery/contingency planning, and off-site data storage

relevant to the data collection

Existence of multiple backup copies including original unprocessed raw data suitable for reprocessing.

9. Additional Line Office or Staff Office Questions

Line and Staff Offices may extend this template by inserting additional questions in this section.